

What Is Claimed Is:

1. An electronic circuit configuration for connecting at least one active rotary speed sensor (1) of a vehicle via an assigned signal conditioning circuit (4) to a control unit (6) for further signal processing of the rotary speed signal, wherein a normally closed switching element (3) is inserted into the circuit for the current supply of the active rotary speed sensor (1), which is able to be switched into the open state via means for detecting an overvoltage in the sensor line (A) or (B), in order to prevent an overvoltage that is damaging to the active rotary speed sensor (1).
2. The electronic circuit configuration as recited in Claim 1, wherein the normally closed switching element (3) is developed as a transistor, whose base terminal is controlled by the means for detecting the overvoltage in sensor line (A) or (B).
3. The electronic circuit configuration as recited in Claim 2, wherein the means for detecting the overvoltage in the sensor lines (A) or (B) include a diode device (7) that is correspondingly connected in parallel, which controls a transistor (10) via at least one Z diode (8) as threshold value element which, in turn, switches switching element (3), that is also developed as a transistor, into the open state.
4. The electronic circuit configuration as recited in one of the preceding claims, wherein the active rotary speed sensor (1) is designed for a lower operating voltage than the electrical system voltage of the vehicle.
5. The electronic circuit configuration as recited in one of the preceding claims, wherein the signal conditioning circuit (4) includes a comparator (5).
6. The electronic circuit configuration as recited in one of the preceding claims, wherein the control unit (6) includes a microcontroller for the input-side supply of the rotary speed signal.
7. A motor vehicle, including an electronic circuit configuration as recited in one of the preceding claims.